

Form 1049 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary) <b>JUN 21 2004</b> PATENT & TRADEMARK OFFICE	Docket Number (Optional) MTV-018.02	Application Number 10/033,175
	Applicant Seeberger, Peter H., et al.	
	Filing Date November 1, 2001	Group Art Unit 1623

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

<i>ch</i>	AQ	Merck Index, Twelfth Edition, 1996, page 759, compound 4470
	AR	
	AS	

EXAMINER	<i>delone</i>	DATE CONSIDERED <i>6/14/05</i>
----------	---------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form 10149 <b>OFFICE OF PATENT DISCLOSURE CITATION IN AN APPLICATION</b> JUN 21 2004 (Use several sheets if necessary)	Docket Number (Optional) MTV-018.02	Application Number 10/033,175
	Applicant Seeberger, Peter H., et al.	
	Filing Date November 1, 2001	Group An Unit 1623

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

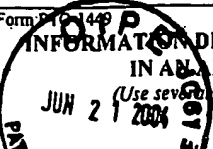
## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

<i>M</i>	AQ	Merck Index, Twelfth Edition, 1996, page 759, compound 4470
	AR	
	AS	

EXAMINER	<i>delane</i>	DATE CONSIDERED 4/14/05
----------	---------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449	<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number (Optional) MTV-018.02	Application Number 10/033,175
		Applicant Seeberger, Peter H., et al.	
		Filing Date November 1, 2001	Group Art Unit 1623

**U.S. PATENT DOCUMENTS**


EXAMINER'S OFFICE INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

	AQ	Merck Index, Twelfth Edition, 1996, page 759, compound 4470
	AR	
	AS	

EXAMINER		DATE CONSIDERED 4/14/05
----------	---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449

**INFORMATION DISCLOSURE CITATION**  
IN AN APPLICATION  
(Use several sheets if necessary)

Doc. No. (Optional) MTV-018.02(20021-1802)

Application Number 10/033,175

Applicant Seeberger et al.

Filing Date November 01, 2001

Group Art Unit 1623

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
dm	AA 5,095,123	03/10/92	Sabesan	549	222	11/30/90
	AB 5,369,017	1/29/94	Wong et al.	435	68.1	02/04/94
	AC 5,374,655	12/20/94	Kashem et al.	514	540	07/14/92
	AD 5,516,665	05/14/96	Wong	435	97	09/13/93
	AE 5,716,812	02/10/98	Withers et al.	435	74	12/12/95
	AF 5,721,338	02/24/98	Imperiali et al.	530	317	12/07/95
	AG 5,728,554	03/17/98	Bayer et al.	435	97	04/11/95
	AH 5,759,823	06/02/98	Wong et al.	435	97	06/07/95
	AI 5,811,539	09/22/98	Seiffert-Stoeriko et al.	536	26.8	08/30/95
	AJ 5,922,577	07/13/99	Defrees et al.	435	97	04/10/96
	AK 5,952,203	09/14/99	Withers et al.	435	97	04/11/97
	AL 5,952,454	09/14/99	Kovac et al.	528	332	10/30/98
	AM 5,994,502	11/30/99	Imperiali et al.	530	344	08/19/97
	AN 6,013,779	01/11/00	Wong et al.	536	18.6	03/18/97
	AO 6,022,713	02/08/00	Noguchi et al.	435	89	11/14/97
	AP 6,030,815	02/29/00	Defrees et al.	435	97	04/10/96
dm	AQ 6,077,695	06/20/00	Nilsson	435	84	07/13/95

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
dm	AR WO 96/24683	08/15/96	PCT	-	-		X
	AS WO 96/32491	10/17/96	PCT	-	-		X
	AT WO 98/46784	10/22/98	PCT	-	-		X
	AU WO 99/ 28491	06/10/99	PCT	-	-		X
	AV WO 99/47694	09/23/99	PCT	-	-		X
	AW WO 99/47695	09/23/99	PCT	-	-		X
dm	AX WO 00/20428	04/13/00	PCT	-	-		X

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

dm	AY	Hashimoto et al.; "Oligosaccharide Synthesis Based on Glycosyl Donors and Acceptors Carrying Phosphonate-Containing Leaving Groups". Tetrahedron Letters 38 (29): 5181-5184 (1997).
dm	AZ	Morales et al.; "Carbohydrate- Carbohydrate Interactions in Water with Glycophanes as Model Systems", J. Org. Chem. 63: 9212-9222 (1998).

RECEIVED  
FEB 29 2002  
TECH CENTER 1600-2900

di	BA	Torgov et al., "Synthesis of Oligosaccharide Fragments of the Repeating Unit of <i>Yersinia enterocolitica</i> O-specific Polysaccharide and Conversion of the Oligosaccharides Into the Glycosyl Phosphates", Carbohydr. Res. 161 : 97-112 (1987).
	BB	Plante and Seeberger ; " Anomeric Phosphorodithioates as Novel Glycosylating Agents", J. Org. Chem. 63 : 9150-9151 (1998).
	BC	Seeberger et al., "Synthesis of Biologically Important Oligosaccharides and Other Glycoconjugates by the Glycal Assembly Method", Aldrichimica Acta 30 (3): 75-92 (1997).
	BD	Zheng et al., " Solid Support Oligosaccharide Synthesis : Construction of $\beta$ -Linked Oligosaccharides by Coupling of Glycal Derived Thioethyl Glycosyl Donors", J. Org. Chem. 63:1126-1130 (1998).
di		

EXAMINER

DATE CONSIDERED

di

2/20/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Form PTO-1449		Document Number (Optional) MTV-018.0		Application Number 10/033,175		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				Applicant Filing Date		
				Group Art Unit 1623		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
all	BE 4,785,084	11/15/88	Warren et al.	536	17.9	07/31/86
all	BF 5,095,123	03/10/92	Sabesan	549	222	11/30/90
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER					
<b>OTHER DOCUMENTS</b>						
(Including Author, Title, Date, Pertinent Pages, Etc.)						
all	BG	Chen, et al. "Glycosyl Phosphoramidimides As Versatile Glycosyl Donors", Heterocycles, 45(7): 1247-1250 (1997)				
	BH	Hashimoto, et al.; " "Armed Diarmed" Glycosidation Strategy Based on Glycosyl Donors and Acceptors Carrying Phosphoramidate as a Leaving Group: A Convergent Synthesis of Globotriaosylceramide ", Tetrahedron Letters 38 (52): 8969-8972 (1997).				
	BI	Hashimoto, et al.; " A Rapid and Efficient Synthesis of 1,3- trans- $\beta$ -Linked Glycosides via Benzyl- or Benzoyl-Protected Glycopyranosyl Phosphates ", J. Chem. Soc. Chem. Commun. pp. 685-687 (1989).				
	BJ	Laupichler, et al.; " Convenient Iodonium-Promoted Stereoselective Synthesis of 2-Deoxy- $\alpha$ -glycosides by Use of S-(2-Deoxyglycosyl) Phosphorodithioates as Donors ", Synthesis, pp.1133-1136 (November 1992).				
	BK	Liang, et al.; " Parallels Synthesis and Screening of a Solid Phase Carbohydrate Library ", Science, 274 : 1520-1522 (November 29, 1996).				
	BL	Paulsen et al.; " Synthese Von DD-Heptosephosphaten als Substrate oder Potentielle Inhibitoren für die Heptose-Synthetase ", Liebigs Ann. Chem. pp. 389-397 ( 1994)				
	BM	Plante and Seeberger; " Anomeric Phosphorodithioates as Novel Glycosylating Agents ", J. Org. Chem. 63 : 9150-9151 (1998).				
	BN	Timmers, et al. " An Expeditious Route to Streptococci and Enterococci Glycolipids VLA Ring-Opening of 1,2 - Anhydrosugars", J. Carbohydrate Chemistry 17 (3): 471-487 (1998).				
all	BO	Watanabe, et al.; "Dibenzyl Phosphorofluoridate, A New Phosphorylating Agent ", Tetrahedron Letters 29 (45) pp. 5763-5764 (1988).				
EXAMINER				2/20/03		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

 COPY OF PAPERS  
 ORIGINALLY FILED